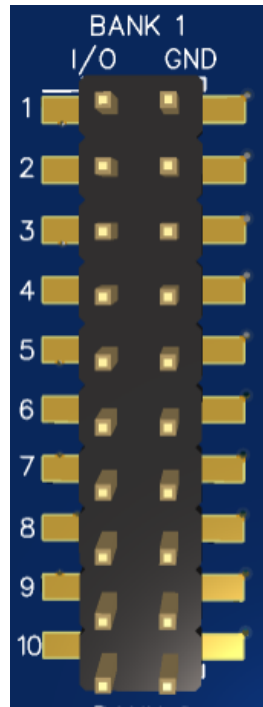


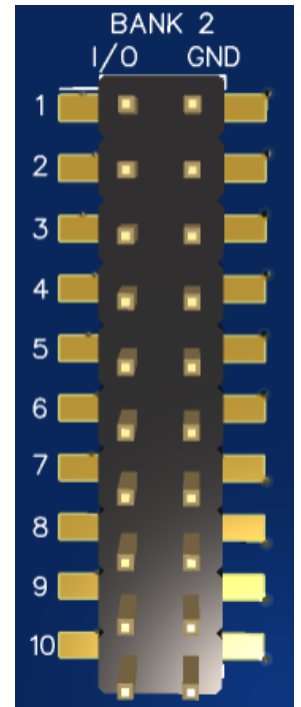
Digital I/O - Bank 1

PCB Pin	Arduino Pin
1	D24
2	D25
3	D26
4	D27
5	D28
6	D29
7	D30 (A15)
8	D31 (A14)
9	D32 (A13)
10	D33 (A12)



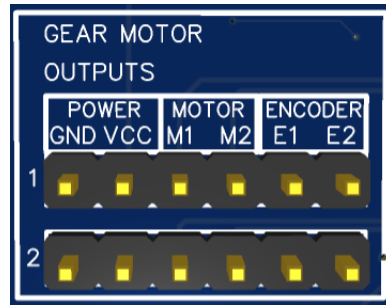
Digital I/O - Bank 2

PCB Pin	Arduino Pin
1	D38
2	D39
3	D40
4	D41
5	D46 (pwm)
6	D47
7	D48
8	D49
9	D51
10	D52



Gear Motor 1 Control / Encode Inputs

PCB PIN	Arduino Pin
DIR (internal)	D23
PWM (internal)	D2
E1	D16
E2	D17

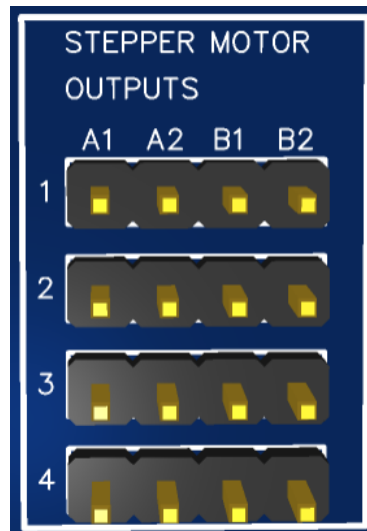


Gear Motor 2 Control / Encode Inputs

PCB PIN	Arduino Pin
DIR (internal)	D22
PWM (internal)	D3
E1	D14
E2	D15

Stepper Motor 1 Control

PCB Pin	Arduino Pin
DIR (internal)	D57
STEP (internal)	D12



Stepper Motor 2 Control

PCB Pin	Arduino Pin
DIR (internal)	D56
STEP (internal)	D11

Stepper Motor 3 Control

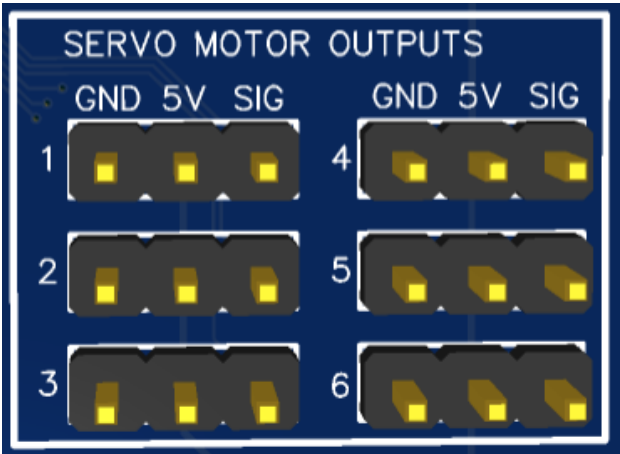
PCB Pin	Arduino Pin
DIR (internal)	D55
STEP (internal)	D13

Stepper Motor 4 Control

PCB Pin	Arduino Pin
DIR (internal)	D54
STEP (internal)	D10

Servo Motors

PCB Servo	Arduino Pin
1	D9
2	D8
3	D7
4	D6
5	D5
6	D4



Analog Inputs

PCB Analog	Arduino Pin
1	A12
2	A13
3	A14
4	A15



Controls (Joystick/Buttons)

PCB	Arduino Pin
Joystick - X	A8
Joystick - Y	A9
SW1	D53
SW2	D65
SW3	D64
SW4	D61
SW5	D60
SW6	D59
SW7	D58

